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(54) Title: 2-O-(β -D-GLUCOPYRANOSYL)ASCORBIC ACID, PROCESS FOR ITS PRODUCTION, AND FOODS AND COS-
METICS CONTAINING COMPOSITIONS COMPRISING IT

(57) Abstract: The present invention provides a novel ascorbic acid derivative as a provitamin C with improved stability in the body and prolonged life in the body compared to conventionally known 2-O-(α -D-glucopyranosyl)ascorbic acid. The composition comprising the novel compound 2-O-(β -D-glucopyranosyl)ascorbic acid has been extracted from plants such as from *Ningxia Lycium barbarum* L. and/or *Lycium chinense* Mill. The compositions comprising 2-O-(β -D-glucopyranosyl)ascorbic acid may be enzymatically synthesized using β -D-glucosyltransferase. Pure 2-O-(β -D-glucopyranosyl)ascorbic acid may be produced from such compositions. Alternatively, 2-O-(β -D-glucopyranosyl)ascorbic acid may be produced by chemical synthesis. The 2-O-(β -D-glucopyranosyl)ascorbic acid results in higher stability and a prolonged life of vitamin C when ingested in the body compared to the corresponding α -D-glucopyranosyl derivative, and is therefore highly suitable as a provitamin C to be used in cosmetics and foods.

INTERNATIONAL SEARCH REPORT

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, CHEM ABS Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
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